

ABSTRACT OF THE DISCLOSURE

Injection of secondary air (AI) into an exhaust gas pipe upstream of an exhaust gas purification catalyst is performed after a startup of an engine, in order to
5 accelerate the warm-up of the catalyst. If the degree of catalyst warm-up during the AI is greater than or equal to a predetermined criterion degree of the warm-up and the engine output is greater than or equal to a criterion output, the injection of secondary air is stopped and exhaust gas purification on the catalyst is conducted so as to curb degradation of emissions.